

CLAIMS

1. A method for automatically discovering the common Multimedia Service Capability of at least two user terminals (12,13) when a voice call is initiated over a circuit switched network (14) from a first one of the user terminals (12,13) handled by a calling party to the second one of the user terminals (12,13) that is handled by a called party, the first user terminal (12) is capable of running simultaneously both a standard circuit voice call in a circuit switched network (14) and a Shared Multimedia service (SMM) session supported by packet switched network (20), the other user terminal (13) which user terminal's Multimedia Capability may be unknown for a user of the first user terminal, the method is characterized in that it comprises the following steps of:

- notifying a network storage (18), by sending a capability request concerning the user terminals (12,13) of the calling party and called party, when a trigger indication has been generated by the circuit switched network(step 102);
- analyzing the response comprising the requested Multimedia Service Capabilities(step 104);
- responding to said user terminals (12,13) information regarding matching Multimedia Capabilities, if at least one matching service is found(step 106);

said steps are performed prior to the packet switched session is established.

2. A method according to claim 1, characterized in that the network storage (18) comprises a Terminal Capability database (TCdb).

3. A method according to claim 2, characterized in that the network storage (18) also comprises a Bearer database (Bdb).

4. A method according to any of claims 1-3, characterized in that the step of notifying the network storage by sending a capability request concerning the user terminals (12,13) of the calling party and called party is initiated upon a trigger event based on either Set-up_notification or Answer_notification.

- 5 5. A method according to any of claims 1-4, characterized in that said steps of notifying the network storage by sending a capability request concerning the user terminals of the calling party and called party, analyzing the response comprising the requested Multimedia Service Capability and responding to said user terminals information regarding matching Multimedia Capabilities, if at least one matching service is found, are performed by an Application Server for Shared Multimedia, SMM_AS (16).
- 10 6. A method according to claim 1, characterized in that the responding, in the step of responding to said user terminals (12,13) information regarding matching Multimedia Capabilities, is performed by transmitting to each of said user terminals (12,13) one message, preferably a WAP_Push message, for alerting the user of the possibility to start a Multimedia service session.
- 15 7. A method according to claim 6, characterized in that the user terminals will not start a packet switched session until said message has been received by the two user terminals (12,13).
- 20 8. A method according to any of claims 1-7, characterized in that the trigger indication is generated by use of IN technology or Parlay technology.
- 25 9. A system for automatically discovering the common Multimedia Service Capability of at least two user terminals (12,13) when a voice call is initiated over a circuit switched network (14) from a first one of the user terminals (12,13) to the second one of the user terminals (12,13), the first user terminal (12) is capable of running simultaneously both a standard circuit voice call in a circuit switched network (14) and a packet switched session supported by a packet switched network (20), the other user terminal (13) which user terminal's Multimedia Capability may be unknown for a user of the first user terminal, characterized by the system comprises means for notifying a network storage (18) by sending a capability request concerning the user terminals of the calling party and called party, when a trigger indication has been generated by means in the circuit switched network, means for analyzing the response comprising the requested Multimedia Service Capabilities and means for responding to said user terminals information
- 30
- 35

regarding matching Multimedia Capability, if at least one matching service is found.

10.A system according to claim 9, characterized in that the network storage (18) comprises a Terminal Capability database TCdb.

11.A system according to claim 10, characterized in that the network storage (18) also comprises a Bearer database Bdb.

12.A system according to any of claims 9-11, characterized in that the means for notifying the network storage by sending a capability request concerning the user terminals of the calling party and the called party starts when it receives an indication that a trigger event based on either Set-up_notification or Answer_notification has occurred.

13.A system according to any of claims 8-10, characterized in that said means for notifying the network storage by sending a capability request concerning the user terminals of the calling party and called party, means for analyzing the response comprising the requested Multimedia Service Capabilities and means for responding to said user terminals information regarding matching Multimedia Capability, if at least one matching service is found, are provided in an Application Server for Shared Multimedia, SMM-AS (16).

14.A system according to claim 9, characterized in that the system comprises means for responding to said user terminals information regarding matching Multimedia Capabilities by transmitting to each of said user terminals (12,13) one message, preferably a WAP_Push message, for alerting the user of the possibility to start a Multimedia service session.

15.A system according to claim 14, characterized that the user terminals will not start a packet switched session until said message has been received by the two user terminals (12,13).

16.A system according to any of claims 9-15, characterized in that the trigger indication generated by use of means in the circuit switched network is made by use of IN technology or Parlay technology.

17.A computer program product comprising computer executable software stored on a computer readable medium, the software being adapted to run at a computer or other processing means characterized in that when said computer executable software is loaded and read by said computer or other processing means, said computer or other processing means is able to perform the steps of the method according to any of claims 1-8.

18.A server provided in a node of a system for automatically discovering the common Multimedia Service Capability of at least two user terminals (12,13) when a voice call is initiated over a circuit switched network (14) from a first one of the user terminals (12,13) to the second one of the user terminals (12,13), the first user terminal (12) is capable of running simultaneously both a standard circuit voice call in a circuit switched network (14) and a packet switched session supported by a packet switched network (20), the other user terminal (13) which user terminal's Multimedia Capability may be unknown for a user of the first user terminal, characterized by that the server comprises means for notifying the network storage (18) by sending a capability request concerning the user terminals of the calling party and the called party, when a trigger indication has been generated by the circuit switched network, means for analyzing the response comprising the requested Multimedia Service Capability and means for responding to said user terminals information regarding matching Multimedia Capability, if at least one matching service is found.

19.A server according to claim 18, characterized in that the network storage (18) comprises a Terminal Capability database TCdb.

20.A server according to claim 19, characterized in that the network storage (18) also comprises a Bearer database Bdb.

21.A server according to any of claims 18-20, characterized in that the means for notifying the network storage by sending a capability request concerning the user terminals of the calling party and called party starts when it receives an indication that a trigger event based on either Set-up_notification or Answer_notification has occurred.

22.A server according to any of claims 18-21, characterized in that the server comprises means for responding to said user terminals information regarding matching Multimedia Capabilities by transmitting to each of said user terminals (12,13) one message, preferably a WAP_Push message, for alerting the user of the possibility to start a Multimedia service session.

23.A server according to claim 22, characterized that the user terminals will not start a packet switched session until said message has been received by the two user terminals (12,13).

24.A server according to any of claims 18-23, characterized in that the trigger indication generated by use of means in the circuit switched network is made by use of IN technology or Parlay technology.